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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Paul Shirley et al.

Examiner: Till, Terrence

Patent No.: 6,817,057

Group Art Unit: 1744

Issue Date: November 16, 2004

Docket No: 303.774US1

Title: SPINDLE CHUCK CLEANER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

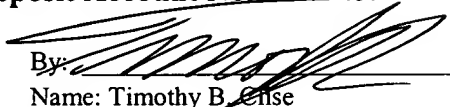
**Certificate**  
**MAR 10 2005**  
**of Correction**

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- ☒ Request for Certificate of Correction.
- ☒ Certificate of Correction Form - PTO-1050 (in duplicate)
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SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
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John D. Gustaf-Wrathall  
Name

John D. Gustaf-Wrathall  
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MAR 11 2005



Patent 6,817,057

PATENT

IN UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 6,817,057

Docket No: 303.774US1

Issue Date: November 16, 2004

Patentee: Paul Shirley et al.

Customer No.: 21186

Confirmation No.: 2066

Title SPINDLE CHUCK CLEANER

REQUEST FOR CERTIFICATE OF CORRECTION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

It is requested that a Certificate of Correction be issued correcting printing errors appearing in the above-identified United States patent. Two copies of the text of the Certificate in the suggested form are enclosed.

Issuance of the Certificate of Correction would neither expand nor contract the scope of the claims as properly allowed, and re-examination is not required.

**As the error is that of the Patent Office, it is believed that no fee is due.**

The Examiner is authorized to charge any additional fees or credit overpayment to Deposit Account No.19-0743.

Respectfully Submitted

PAUL SHIRLEY ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
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Date :

3 March '05

By:

Timothy B. Clise  
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TBC:rr

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,817,057

Page (1) of 1

DATED : November 16, 2004

INVENTOR(S) : Shirley et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 8, line 55, in Claim 5, insert - - joint - - before "pivots".

In column 10, line 29, in Claim 32, after "of" insert - - the - -.

In column 11, line 13, in Claim 46, delete "A" before "The".

In column 12, line 34, in Claim 71, after "wafer" delete "," and insert - - ; - -, therefor.

in column 13, line 1, in Claim 78, delete "bead" and insert - - head - -, therefor.

MAILING ADDRESS OF SENDER:

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